INTERNATIONAL SEARCH REPORT

national Application No rc[/IB2004/000192

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01S13/93 B60R21/01

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01S B60R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98/32030 A (AUTOMOTIVE SYSTEMS LAB) 23 July 1998 (1998-07-23)	1-4, 10-14, 20-24,30
Y	page 6, line 4 page 6, lines 17,18	5-9, 15-19, 25-29
	page 13, lines 22-26 page 14, line 3 - line 10 page 17, line 23 - page 18, line 8 page 20, line 1 - page 21, line 14; claims 1,22	
	-/	
		,

X Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance E* earlier document but published on or after the international filing date L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O* document referring to an oral disclosure, use, exhibition or other means P* document published prior to the international filing date but later than the priority date claimed	 *T° later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X° document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&° document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report 17/06/2004
9 June 2004 Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Johansson, R

1

INTERNATIONAL SEARCH REPORT

national Application No PCT/IB2004/000192

C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	DE 199 63 006 A (BOSCH GMBH ROBERT) 28 June 2001 (2001-06-28)	1-4, 10-14, 20-24,30
Υ .	column 1, line 48 - line 60	5-9, 15-19, 25-29
X	column 2, line 11 - line 18 US 4 926 171 A (KELLEY WILLIAM L) 15 May 1990 (1990-05-15) column 2, lines 38-61 column 3, lines 8-25 column 4, line 57 - column 6, line 21	1,11,21
X	US 6 087 928 A (KLEINBERG RAYMOND ET AL) 11 July 2000 (2000-07-11) column 4, line 29 - line 54	1,11,21
X	US 3 864 678 A (BITO MINORU ET AL) 4 February 1975 (1975-02-04) the whole document	1,11,21
X	US 5 314 037 A (SHAW JUDY Z-Z ET AL) 24 May 1994 (1994-05-24) column 8, line 24 - column 10, line 13	1,11,21
Υ .	US 5 633 642 Å (HOESS ALFRED ET AL) 27 May 1997 (1997-05-27)	5-9, 15-19, 25-29
	column 6, line 43 - column 7, line 48; claims 9,11	

1

INTERNATIONAL SEARCH REPORT

nformation on patent family members

ru [/IB2004/000192

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9832030		23-07-1998	US	6085151 A	04-07-2000
WO 9032030	7.	20 0, 2000	CA	2274716 A1	23-07-1998
			EP	0954758 A1	10-11-1999
			JP	2002511922 T	16-04-2002
			WO	9832030 A1	23-07-1998
DE 19963006	A	28-06-2001	DE	19963006 A1	28-06-2001
DE 13300000	••		WO	0148512 A1	05-07-2001
			EP	1157287 A1	28-11-2001
			JP	2003518635 T	10-06-2003
			US	2003036850 A1	20-02-2003
US 4926171	Α	15-05-1990	NONE		
US 6087928	Α	11-07-2000	NONE		
US 3864678		04-02-1975	JP	902086 C	30-03-1978
03 3004070	,,	0. 02 2272	JP	48100821 A	19-12-1973
			JP	52027888 B	22-07-1977
			AU	458491 B2	
			AU	5422073 A	10-10-1974
			CA	997044 A1	
			DE	2317465 A1	11-10-1973
US 5314037	Α	24-05-1994	US	5529138 A	25-06-1996
US 5633642	Α	27-05-1997	WO	9514939 A1	
30 303307E	,,	= , -,-,-,-,	ĒΡ	0730742 A	
			JP	9506698 T	30-06-1997